BRAIN RESEARCH

VOL. 838 NOS. 1,2 **CONTENTS** **14 AUGUST 1999**

Cited in Biological Abstracts (BIOSIS) – Chem. Abstracts – Index Medicus (MEDLINE) – Current Contents (Life Sci.) – EMBASE/Excerpta Medica – Psychological Abstracts (PsycINFO) – Pascal et Francis (INIST-CNRS) – RIS (Reference Update) – Elsevier BIOBASE/Current Awareness in Biological Sciences

Research reports

Temporal profile of nestin expression after focal cerebral ischemia in adult rat
Y. Li and M. Chopp (USA) 1

Diabetic peripheral nerves are susceptible to multifocal ischemic damage from endothelin
D.W. Zochodne and C. Cheng (Canada) 11

Inhibitory postsynaptic currents of rat substantia nigra pars reticulata neurons: role of GABA receptors and GABA uptake
P.K.Y. Chan and W.-H. Yung (China) 18

VIP and D-ala-peptide T-amide release chemokines which prevent HIV-1 GP120-induced neuronal death
D.E. Brenneman, J. Hauser, C.Y. Spong, T.M. Phillips, C.B. Pert and M. Ruff (USA) 27

Block of (Na^+,K^+)ATPase with ouabain induces spreading depression-like depolarization in hippocampal slices
M. Balestrino, J. Young and P. Aitken (Italy, USA) 37

N-cadherin at the glial scar in the rat
F. Vázquez-Chona and E.E. Geisert Jr. (USA) 45

Dopamine D2 receptor-mediated antioxidant and neuroprotective effects of ropinirole, a dopamine agonist
M. Iida, I. Miyazaki, K.-i. Tanaka, H. Kabuto, E. Iwata-Ichikawa and N. Ogawa (Japan) 51

Interstitial glial cells of the gerbil pineal gland display immunoreactivity for the metabotropic glutamate receptors mGluR2/3 and mGluR5
H. Pabst and P. Redecker (Germany) 60

Regulation of expression, phosphorylation and biological activity of tau during differentiation in SY5Y cells
N. Haque, T. Tanaka, K. Iqbal and I. Grundke-Iqbal (USA) 69

In vitro inhibition of Na^+,K^+-ATPase activity from rat cerebral cortex by guanidino compounds accumulating in hyperargininemia
C.G. Da Silva, E. Parolo, E.L. Streck, M. Wajner, C.M.D. Wannmacher and A.T. De Souza Wyse (Brazil) 78

Nociceptin receptors in the rat spinal cord during morphine tolerance
C. Gouardères, J.A.M. Tafani, J.-C. Meunier, K. Jhamandas and J.-M. Zajac (France, Canada) 85

The effects of median raphé electrical stimulation on serotonin release in the dorsal hippocampal formation of prenatally protein malnourished rats
D.J. Mokler, J.D. Bronzino, J.R. Galler and P.J. Morgane (USA) 95

Volumetric analysis of sexually dimorphic limbic nuclei in normal and sex-reversed whiptail lizards
K.L. Wennstrom, F. Blesius and D. Crews (USA) 104

Self-sustaining status epilepticus after a brief electrical stimulation of the perforant path: a 2-deoxyglucose study
A. Pereira de Vasconcelos, A.M. Mazarati, C.G. Wasterlain and A. Nehlig (France, USA) 110

Synaptic and neurochemical features of calcitonin gene-related peptide containing neurons in the rat accessory optic nuclei
J. Zhou, C.E. Ribak, X.-X. Yan and R.A. Giolli (USA) 119

Differential expression patterns of inositol trisphosphate receptor types 1 and 3 in the rat suprachiasmatic nucleus
T. Hamada, T. Niki, P. Ziging, T. Sugiyama, S. Watanabe, K. Mikoshiba and N. Ishida (Japan) 131

Steroid hormones affect limbic afterdischarge thresholds and kindling rates in adult female rats
H.E. Edwards, W.M.I. Burnham, A. Mendonca, D.A. Bowlby and N.J. MacLusky (Canada) 136

Testosterone and its metabolites affect afterdischarge thresholds and the development of amygdala kindled seizures
H.E. Edwards, W.M.I. Burnham and N.J. MacLusky (Canada) 151

(Contents continued inside)

0006-8993(19990814)838:1/2;1-G

BRAIN RESEARCH

VOL. 838 NOS. 1,2 **CONTENTS** **14 AUGUST 1999**

Cited in Biological Abstracts (BIOSIS) – Chem. Abstracts – Index Medicus (MEDLINE) – Current Contents (Life Sci.) – EMBASE/Excerpta Medica – Psychological Abstracts (PsycINFO) – Pascal et Francis (INIST-CNRS) – RIS (Reference Update) – Elsevier BIOBASE/Current Awareness in Biological Sciences

Research reports

Temporal profile of nestin expression after focal cerebral ischemia in adult rat
Y. Li and M. Chopp (USA) 1

Diabetic peripheral nerves are susceptible to multifocal ischemic damage from endothelin
D.W. Zochodne and C. Cheng (Canada) 11

Inhibitory postsynaptic currents of rat substantia nigra pars reticulata neurons: role of GABA receptors and GABA uptake
P.K.Y. Chan and W.-H. Yung (China) 18

VIP and D-ala-peptide T-amide release chemokines which prevent HIV-1 GP120-induced neuronal death
D.E. Brenneman, J. Hauser, C.Y. Spong, T.M. Phillips, C.B. Pert and M. Ruff (USA) 27

Block of (Na^+,K^+)ATPase with ouabain induces spreading depression-like depolarization in hippocampal slices
M. Balestrino, J. Young and P. Aitken (Italy, USA) 37

N-cadherin at the glial scar in the rat
F. Vázquez-Chona and E.E. Geisert Jr. (USA) 45

Dopamine D2 receptor-mediated antioxidant and neuroprotective effects of ropinirole, a dopamine agonist
M. Iida, I. Miyazaki, K.-i. Tanaka, H. Kabuto, E. Iwata-Ichikawa and N. Ogawa (Japan) 51

Interstitial glial cells of the gerbil pineal gland display immunoreactivity for the metabotropic glutamate receptors mGluR2/3 and mGluR5
H. Pabst and P. Redecker (Germany) 60

Regulation of expression, phosphorylation and biological activity of tau during differentiation in SY5Y cells
N. Haque, T. Tanaka, K. Iqbal and I. Grundke-Iqbal (USA) 69

In vitro inhibition of Na^+,K^+-ATPase activity from rat cerebral cortex by guanidino compounds accumulating in hyperargininemia
C.G. Da Silva, E. Parolo, E.L. Streck, M. Wajner, C.M.D. Wannmacher and A.T. De Souza Wyse (Brazil) 78

Nociceptin receptors in the rat spinal cord during morphine tolerance
C. Gouardères, J.A.M. Tafani, J.-C. Meunier, K. Jhamandas and J.-M. Zajac (France, Canada) 85

The effects of median raphé electrical stimulation on serotonin release in the dorsal hippocampal formation of prenatally protein malnourished rats
D.J. Mokler, J.D. Bronzino, J.R. Galler and P.J. Morgane (USA) 95

Volumetric analysis of sexually dimorphic limbic nuclei in normal and sex-reversed whiptail lizards
K.L. Wennstrom, F. Blesius and D. Crews (USA) 104

Self-sustaining status epilepticus after a brief electrical stimulation of the perforant path: a 2-deoxyglucose study
A. Pereira de Vasconcelos, A.M. Mazarati, C.G. Wasterlain and A. Nehlig (France, USA) 110

Synaptic and neurochemical features of calcitonin gene-related peptide containing neurons in the rat accessory optic nuclei
J. Zhou, C.E. Ribak, X.-X. Yan and R.A. Giolli (USA) 119

Differential expression patterns of inositol trisphosphate receptor types 1 and 3 in the rat suprachiasmatic nucleus
T. Hamada, T. Niki, P. Ziging, T. Sugiyama, S. Watanabe, K. Mikoshiba and N. Ishida (Japan) 131

Steroid hormones affect limbic afterdischarge thresholds and kindling rates in adult female rats
H.E. Edwards, W.M.I. Burnham, A. Mendonca, D.A. Bowlby and N.J. MacLusky (Canada) 136

Testosterone and its metabolites affect afterdischarge thresholds and the development of amygdala kindled seizures
H.E. Edwards, W.M.I. Burnham and N.J. MacLusky (Canada) 151

(Contents continued inside)

0006-8993(19990814)838:1/2;1-G

(contents continued)

Neuron-specific expression of cationic amino acid transporter 3 in the adult rat brain
H. Hosokawa, H. Ninomiya, T. Sawamura, Y. Sugimoto, A. Ichikawa, K. Fujiwara and T. Masaki (Japan) 158
Single-cell RT-PCR demonstrates expression of voltage-dependent chloride channels (ClC-1, ClC-2 and ClC-3) in outer hair cells of rat cochlea
E. Kawasaki, N. Hattori, E. Miyamoto, T. Yamashita and C. Inagaki (Japan) 166
Characterization of transsynaptic tracing with central application of pseudorabies virus
S. Chen, M. Yang, R.R. Miselis and G. Aston-Jones (USA) 171
Ciliary neurotrophic factor enhances the expression of NGF and p75 low-affinity NGF receptor in astrocytes
I. Semkova and J. Krieglstein (Germany) 184
D-Aspartate localization in the rat pituitary gland and retina
J.-A. Lee, H. Homma, K. Tashiro, T. Iwatsubo and K. Imai (Japan) 193

Short communications

The adenylate cyclase inhibitor MDL-12330A has a non-specific effect on glycine transport in Müller cells from the retina
A. Gadea, E. López and A.M. López-Colomé (Mexico) 200
Osteocalcin-immunoreactive primary sensory neurons in the rat spinal and trigeminal nervous systems
H. Ichikawa, T. Itota, Y. Torii, K. Inoue and T. Sugimoto (Japan) 205
C1-esterase inhibitor reduces infarct volume after cortical vein occlusion
A. Heimann, T. Takeshima, G. Horstick and O. Kempski (Germany) 210
Apoptosis in the visual system of normal and dark-reared rats
G.C. Papadopoulos and H.C. Michaloudi (Greece) 214
Relationship between calcium-dependent potassium channel and ectopic spontaneous discharges of injured dorsal root ganglion neurons in the rat
J.-L. Xing and S.-J. Hu (China) 218
Infusion of β-FNA into the thalamus attenuates morphine-induced c-Fos induction in the rat caudate putamen
P.S. Frankel, M.M. Garcia and R.E. Harlan (USA) 222
Intrastriatal transplantation of Sertoli cells may improve amphetamine-induced rotation and tyrosine hydroxylase immunoreactivity of the striatum in hemiparkinsonian rats
H.-W. Liu, Y.-J. Kuang, J.-C. Wu, K.-H. Ma, S.-D. Wang and J.-C. Liu (Taiwan) 227
Behavioral effects of anti-muscarinic, anti-serotonergic, and anti-NMDA treatments: hippocampal and neocortical slow wave electrophysiology predict the effects on grooming in the rat
B.J. Robertson, F. Boon, D.P. Cain and C.H. Vanderwolf (Canada) 234

Author Index 241

CONTENTS Direct

This journal is part of **ContentsDirect,** the ***free*** alerting service which sends tables of contents by e-mail for Elsevier Science books and journals. You can register for **ContentsDirect** online at: **www.elsevier.nl / locate / contentsdirect**